## Abstract

A bearing device mountable on a smaller bearing and allowing to be automatically lubricated for a long period, comprising an inner ring [[(2)]] and an outer ring [[(1)]] rotated relative to each other, cages and rolling elements [[(3)]] held by the cages which are disposed in an annular space between the inner and outer rings, a seal ring [[(5)]] disposed on both sides of the inner and outer rings, and a unit body [[(7)]] formed of a battery [[(6)]], a tank [[(8)]] for storing lubricant, and a pump [[(10)]] sucking and discharging the lubricant from the tank [[(8)]] which is disposed between the outer ring [[(1)]] and the inner ring [[(2)]] detachably from the seal ring [[(5)]], wherein the lubricant is discharged from the pump [[(10)]] into the annular space in which the rolling elements [[(3)]] are disposed and the discharged amount of the lubricant from the pump is controlled by a sensor and a control circuit, and the unit body [[(7)]] is formed detachable, whereby a lubrication unit installed in the bearing can be made compact and slim.